

The Files

12 September 1957

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Task Order 2, Trip Report

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1. On 29 August 1957 the writer, in company with [REDACTED] OC-SP/EA visited the [REDACTED] for the dual purpose of introducing the new government project engineer to the contract and associated problems, and to monitor progress.

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2. Stumbling through, and surviving the many introductions, the discussions of toher company projects, lunch in the company cafeteria, tour of the plant, etc. ~~with~~ the following facts:

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- a. [REDACTED] was busily engaged in building a test set-up for checking tapes and record heads. This is to determine the suitability of available materials and to possibly eliminate a need for special head design and special tape selection.
- b. Also set up was a motor test jig for experimenting with an automatic electronic motor speed control. The motor used will be similar to the one designed for the [REDACTED]. The 'Lee' governor was kicked around, and finally out, because of the high noise radiation and short contact life.
- c. To obtain stability of the 1,000 cycle reference oscillator and for low power consumption the company has designed a frequency divider circuit which uses a basic 100 kc crystal oscillator, and divides down to an accurate 1 kilocycle. They feel that this method is superior to either a tuning fork or a lower crystal frequency when all factors are considered - this conviction was uncontested.
- d. The company showed two wooden mock-ups of a recorder case configuration, one was made to the maximum [REDACTED]

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3. The project engineer inquired as to whether the cold chamber purchased had been approved and again about the possibility of the government supplying a high quality tape transport for their use on this project. Appropriate action has been taken on both items. The progress demonstrated by the company on this development, barely two months old, is highly satisfactory.

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OC-E/R&D-EP/RID:mjr (11 Sept. 57)
cc: R&D Subject File
Monthly Report
R&D Lab
SP/EA
R&D Chrono
EP Chrono